

ABSTRACT**CLOSED CYCLONE SYSTEM HAVING A FLOW RATE DISTRIBUTOR AND
USE OF SAME**

10 A distributor (9) for the equalization of flow rate of cyclones in closed
cyclone systems installed in the interconnection of the cyclones of the
disengager vessel of the gas-solid suspension of the fluid catalytic cracking
(FCC) processes is described, that distributes the gases exiting the first stage
cyclones so as to promote a desirable and uniform flow rate of said gases
15 through said space, besides absorbing the relative movements between the
cyclones caused by the differential thermal expansion. The distributor of the
invention secures a homogeneous accommodation of the gas-solid suspension
in a connecting pipe, allowing a uniform cyclone operation in the next stage, no
matter the geometry of the riser-cyclone set or of the downer-cyclone set.